AHMEDNAGAR JILHA MARATHA VIDYA PRASARAK SAMAJ'S

SHRI MULIKADEVI COLLEGE, NIGHOJ

TAL.PARNER DIST.AHMEDNAGAR

Department of Botany

Course Outcomes

Programs offered

Sr. No.	Program	Program Objectives	Program Specific Objectives
1	**B. Sc Botany**	**PO1. Critical Thinking:** The curriculum made for the betterment of the students, enhance the ability and thinking power. **PO2. Effective Communication:** the complete medium of program is in English, so students will communicate in the same. **PO3.** Social Interaction: Due to continuous field visits in the interior region's students interact with the social activities for their study. **PO4. Effective citizenship:**Being the botanist students must communicate with many people, they become more familier as well as interactive. **PO5.Ethics:**The subject teaches students about the ethical approach, not to cut the plants. **PO6. Environment and sustainability:** Conservation practices are studied for sustainable development. **PO7. Self -directed and life- long learning:** each and every aspect of the module teacher's life long learning.	**PS01.** To Provide through knowledge about various plant groups from primitive to highly evolved. **PSO2.** To make the students aware of applications of different plants in various industries. **PSO3.** To highlight the protentional of these studies to become an entrepreneur to equip the students with skills related to laboratory as well as field-based studies. To make the students aware about conservation and sustainable use of plants. To create foundation for further studies in Botany. To address the socioeconomical challenges related to plant sciences. To facilitate students for taking up and shaping a successful career in Botany.

Courses offered

Sr. No.	Course	Course Outcomes
1	**F.Y.B.Sc Botany 111.Plant Diversity, PlantMorphology and Anatomy**	• To Provide through knowledge about various primitive plant groups.
	F.Y.B. Sc Botany 112.IndustrialBotany	• To make the students aware of applications of different plants in various industries. • To Highlight the potential of these studies to become an entrepreneur.
	F.Y.B. Sc Botany Practical BO.111 and BO.112	• To get acquainted with the subject in live form and visits to industries.
2	**S.Y. B. Sc Botany Semester -I 211.Taxanomy of Angiosperm and Plant Community.**	• To Provide through knowledge about various highly evolved plant groups and their community structure.
	S.Y. B. Sc Botany Semester -I 212. Plant Physiology	• To study the different metabolic process for synthesis of food material.
	S.Y. B. Sc Botany Semester -II 221.Plant Anatomy and Embryology.	• Internal structure will be observed for further studies as well as to study the developmental pattern of plant.
	S.Y. B. Sc Botany Semester -II S.Y. B. Sc Botany 222. Plant Biotechnology	• The study of technique of multiplication and nontechniques.
	Annual Practical S.Y. B. Sc Botany Practical BO.211, BO.212, BO221 and BO222	• To equipped the students with skills related to laboratory as well as field based studies.
03	**T.Y.B. Sc Botany Semester-III 331.Cryptogamic Botany**	• Interpret the performance characteristics and life cycles of various lower plants.
	T.Y.B. Sc Botany Semester-III 332.Cell and Molecular	• To develop the mind from the cellular to molecular level.

	Biology	
	T.Y.B. Sc Botany Semester-III 333. Genetics and Evolution	• Analyze the evolution with genetical characteristics for future aspects.
	T.Y.B. Sc Botany Semester-III 334. Spermatophyta and Paleobotany	• Evaluate the performance of various line of evolution with respect to live and fossil forms.
	T.Y.B. Sc Botany Semester-III 335. Horticulture and Floriculture	• To develop the skills to become entrepreneurship for small scale startup.
	T.Y.B. Sc Botany Semester-III 336. Computational Botany	• Apply optimization, numerical methods, statically method to solve problems.
	T.Y.B. Sc Botany Semester-IV 341. Plant Physiology and Biochemistry	• To study the different metabolic process for synthesis of food material in details.
	T.Y.B. Sc Botany Semester-IV 342. Plant ecology and Biodiversity	• To make the students aware about conservation and sustainable use of plants.
	T.Y.B. Sc Botany Semester-IV 343.Plant Pathology	• Design different post-harvest methods to cope over diseases.
	T.Y.B. Sc Botany Semester-IV 344. Medicinal and Economic Botany	• To make the students aware about conservation and sustainable use of plants.
	T.Y.B. Sc Botany Semester-IV 345. Plant Biotechnology	• To study the technique of multiplication and nontechnique.
	T.Y.B. Sc Botany Semester-IV 346. Plant Breeding and seed technology	• Evaluate the performance of multiplication technique and seed storage technique